

TGFR-1/ALK-5 active protein

Active Recombinant Human TGFR-1/ALK-5 Protein

CATALOG #
AAA282503

HOST
HEK293 cells

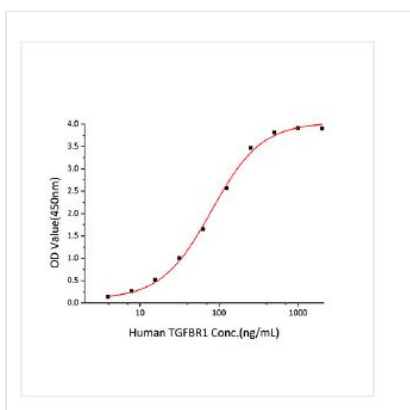
PRODUCT SYNONYMS

TGFR-1/ALK-5; Active Recombinant Human TGFR-1/ALK-5 Protein; TGFBR1; AAT5; ACVRLK4; ALK-5; ALK5; ESS1; LDS1; LDS1A; LDS2A; MSSE; SKR4; TGFR-1; tbetaR-I; TBRI; TBR-i; TGFR-1/ALK-5 active protein

PRODUCT SPECIFICATIONS

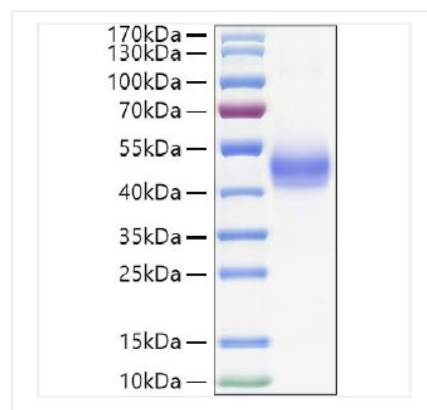
Host	HEK293 cells
Purity/Purification	> 95% by SDS-PAGE.
Form/Format	Liquid Lyophilized from a 0.22 um filtered solution of PBS, pH 7.4.
Species	Human
Tag	C-hFc&His
Bioactivity	Measured by its binding ability in a functional ELISA. Immobilized Human TGF-beta Protein at 2 ug/mL (100 uL/well) can bind TGFBR1 with a linear range of 3.9-80.49 ng/mL.
Preparation and Storage	Store the lyophilized protein at -20 to -80 degree C for 12 months. After reconstitution, the protein solution is stable at -20 degree C for 3 months, at 2-8 degree C for up to 1 week. Avoid repeated freeze/thaw cycles. Ship: Ice Pack

IMAGES



Application Data

Immobilized recombinant Human TGFbeta Protein at 2ug/mL (100 uL/well) can bind TGFBR1 with a linear range of 3.9-80.49ng/mL.



SDS-PAGE

Active Recombinant Human TGFR-1/ALK-5 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 40-55kDa.

ADDITIONAL INFORMATION

Related Product Information for TGFR-1/ALK-5 active protein

Active Recombinant Human TGFR-1/ALK-5 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Met1-Glu125) of human TGFBR1/ALK5 (Accession #NP_004603.1) fused with a Fc, 6xHis tag at the C-terminus.

NCBI AND UNIPROT INFORMATION

NCBI GI #	195963412
NCBI GeneID	7046
NCBI Accession #	NP_001124388.1
NCBI GenBank Nucleotide #	NM_001130916.1
UniProt Accession #	P36897; Q6IR47; Q706C0; Q706C1
Molecular Weight	55,960 Da
NCBI Official Full Name	TGF-beta receptor type-1 isoform 2
NCBI Official Synonym Full Names	transforming growth factor, beta receptor 1
NCBI Official Symbol	TGFR1
NCBI Official Synonym Symbols	AAT5; ALK5; MSSE; SKR4; ALK-5; LDS1A; LDS2A; TGFR-1; ACVRLK4
NCBI Protein Information	TGF-beta receptor type-1; tbetaR-I; TGF-beta receptor type I; TGF-beta type I receptor; activin receptor-like kinase 5; transforming growth factor beta receptor I; serine/threonine-protein kinase receptor R4; activin A receptor type II-like kinase, 53kD;
UniProt Protein Name	TGF-beta receptor type-1
UniProt Gene Name	TGFR1
UniProt Synonym Gene Names	ALK5; SKR4; TGFR-1; ALK-5; ALK5; SKR4; TGF-beta receptor type I; TbetaR-I
UniProt Entry Name	TGFR1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/hek293-cells-active-protein/tgfr-1-alk-5/282503>